

INTERNATIONAL SEARCH REPORT

PCT/GB2005/000605

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07C233/68 C07C233/77 C07C63/04 C07C69/78 A61K31/167
A61K31/192 A61K31/216 A61K31/235

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data, PAJ, WPI Data, BEILSTEIN Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|---|-----------------------------|
| X | DATABASE CA 'Online! CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; OHSHIMA, ETSUO ET AL: "Synthesis and antiallergic activity of 11-(aminoalkylidene)-6,11- dihydrodibenz[b,e]oxepin derivatives" XP002333556 retrieved from STN Database accession no. 1992:255459 abstract & JOURNAL OF MEDICINAL CHEMISTRY, 35(11), 2074-84 CODEN: JMCMAR; ISSN: 0022-2623, 1992, ----- -/- | 1,3,6-8, 11, 13-15,42 |

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

G document member of the same patent family

Date of the actual completion of the international search

28 June 2005

Date of mailing of the international search report

05/08/2005

Name and mailing address of the ISA

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INTERNATIONAL SEARCH REPORT

PCT/GB2005/000605

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|---|--|
| X | <p>DATABASE CA 'Online! CHEMICAL ABSTRACTS SERVICE, COLUMBUS; OHIO, US; BERGMAN, NILS AAKE ET AL: "Chemical stability of a prostacyclin analog due to the absence of intramolecular catalysis" XP002333559 retrieved from STN Database accession no. 1988:221428 abstract & JOURNAL OF ORGANIC CHEMISTRY, 53(11), 2548-52 CODEN: JOCEAH; ISSN: 0022-3263, 1988,</p> | <p>1-9,11, 13-16,42</p> |
| X | <p>DATABASE BEILSTEIN 'Online! XP002333560 accession no. BRN 7478893 abstract</p> | <p>1-5,7, 11, 14-16,42</p> |
| X | <p>DATABASE BEILSTEIN 'Online! XP002333561 accession no. BRN 7705788 abstract</p> | <p>1-5,7,8, 11, 13-16,42</p> |
| X | <p>DATABASE BEILSTEIN 'Online! XP002333562 accession no. BRN 7704940 abstract</p> | <p>1,7,11, 13,15,42</p> |
| X | <p>DATABASE BEILSTEIN 'Online! XP002333563 accession no. BRN 7434441 abstract</p> | <p>1-5,7, 11,13, 14,42</p> |
| X | <p>DATABASE BEILSTEIN 'Online! XP002333564 accession no. BRN 3414970 abstract</p> | <p>1-5,7, 11,13, 14,42</p> |
| X | <p>DATABASE BEILSTEIN 'Online! XP002333565 accession no. BRN 2803986 abstract</p> | <p>1-5,7, 11,42</p> |
| X | <p>DATABASE BEILSTEIN 'Online! XP002333566 accession no. BRN 7478893 abstract</p> | <p>1-5,7, 11,15, 16,42</p> |
| X | <p>DATABASE BEILSTEIN 'Online! XP002333567 accession no. BRN 2576796 abstract</p> | <p>1-5,7, 11,42</p> |
| X | <p>DATABASE BEILSTEIN 'Online! XP002333568 accession no. BRN 2093695 abstract</p> | <p>1-5,11, 42</p> |

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INTERNATIONAL SEARCH REPORT

PCT/GB2005/000605

| C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT | | |
|--|--|------------------------------|
| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
| X | DATABASE BEILSTEIN 'Online! XP002333584 accession no. BRN 2381895 abstract | 1-7, 11, 12, 14-16, 42 |
| Y | WO 00/16756 A (INNOVET IZALIA) 30 March 2000 (2000-03-30) the whole document | 1-44 |
| Y | US 5 342 971 A (HERLT ET AL.) 30 August 1994 (1994-08-30) the whole document | 1-44 |
| Y | US 2003/191069 A1 (INNABA ET AL.) 9 October 2003 (2003-10-09) the whole document | 1-44 |

INTERNATIONAL SEARCH REPORT

PCT/GB2005/000605

| Patent document cited in search report | Publication date | Patent family member(s) | Publication date |
|---|---------------------|---|--|
| WO 2004078180 A2 | 16-09-2004 | US 2004186081 A1 | 23-09-2004 |
| WO 2004074224 A1 | 02-09-2004 | NONE | |
| JP 2004002722 A2 | 08-01-2004 | JP 2004002722 A | 08-01-2004 |
| WO 03106420 A1 | 24-12-2003 | AU 2003241260 A1 BR 0311384 A CA 2488606 A1 EP 1532111 A1 | 31-12-2003 15-03-2005 24-12-2003 25-05-2005 |
| WO 03091204 A1 | 06-11-2003 | AU 2003222841 A1 EP 1497261 A1 | 10-11-2003 19-01-2005 |
| WO 0016756 A | 30-03-2000 | IT MI982064 A1 AT 229330 T AU 6086099 A DE 69904490 D1 DE 69904490 T2 WO 0016756 A2 EP 1115392 A2 ES 2189489 T3 US 2005065216 A1 | 24-03-2000 15-12-2002 10-04-2000 23-01-2003 30-10-2003 30-03-2000 18-07-2001 01-07-2003 24-03-2005 |
| US 5342971 A | 30-08-1994 | AT 151074 T AU 668460 B2 AU 5834594 A CA 2117609 A1 DE 69309449 D1 WO 9414790 A1 EP 0628037 A1 | 15-04-1997 02-05-1996 19-07-1994 07-07-1994 07-05-1997 07-07-1994 14-12-1994 |
| US 2003191069 A1 | 09-10-2003 | AU 759483 B2 AU 1804100 A CA 2358879 A1 CN 1337950 A EP 1142877 A1 WO 0040562 A1 JP 2000256323 A NZ 512883 A TW 515794 B US 6509352 B1 | 17-04-2003 24-07-2000 13-07-2000 27-02-2002 10-10-2001 13-07-2000 19-09-2000 28-03-2003 01-01-2003 21-01-2003 |